

## **Jaime Ramiro Carrillo – Specifications: Utility Patent Application: Biograss**

### **ABSTRACT OF THE DISCLOSURE**

A search of existing patents in this area shows that inventors continues to seek improved means and methods of growing or replacing grass or other vegetative layers onto the soil surface. The use of Biograss—in any or all of its basic configurations—addresses specifically and economically solves this problem. Users or consumers may utilize this product to establish an economical, practical and environmental friendly solution to the problem of erosion, and the use on home lawn, golf courses, on landscaping work and generally when a kind of vegetative layer or turf is required to be developed onto a soil or synthetic surface. Business and commercial concerns that engage in landscaping and erosion control can utilize the Biograss as an affordable, effective means to provide quality turf, carpet of flowers, vegetative layer for erosion control first and final phase. The Biograss designs contemplate the use of commercial and institutional logos been drawing onto the Biograss surface for environmental friendly publicity. Biograss is unobtrusive, rain water stand for, wind tolerate, wildlife stand for, clean, dry, lightweight, embellish, affordable and biodegradable. Depending on the particular problem to solve, there is a Biograss configuration designed to supply the best economical solution, made with environmental friendly process and products, offered in adequate quantity, to be applied to the final surface on hand or using a simple spreading mechanic process. Subsequent to the Biograss application onto

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the final surface, watering is required to start the biological process and periodically thereafter to keep the necessary moisture to develop the vegetative layer. The water activates the dormant seed and germination start quickly. The rain water or the regularly hose spraying will dissolve gradually the organic adhesive, bringing cohesion between the Biograss and the surface, supplying nutrients to the plants and helping with the biodegradable process, the water also will soften the organic sheeting allowing the roots to penetrate the Biograss and establish a bond between the roots and the surface which a vegetative layer or a turf is to be grown. In a few weeks the biodegradable components of the Biograss, will incorporate to the soil or synthetic surface, bringing as final result a healthy turf, a decorative flowered carpet or erosion control vegetative layer.



**Jaime Ramiro Carrillo – Replacement Abstract: Utility Patent Application: Biograss**

**ABSTRACT OF THE DISCLOSURE**

An Invention which utilizes one layer or two layers of biodegradable mean which support and hold seed, bonded by organic adhesive. The invention contemplates the forms of flakes, strips, straws and grains. The biodegradable mean is made of new or recycled soft paper, a composite of agricultural byproducts or combinations of them. The seed are mainly grass, but the invention contemplates the use of native seed or a cocktail of seed. The organic adhesive is made of natural glue or syrup (corn, rice, potato) mixed with organic elements (N,P,K) to provide nutrients to the seed and soil system. The invention may be use to establish grass for erosion control, to generate turf on geotextiles in situ or transplanted, turf for golf courses, subdivisions, and, on all natural or synthetic surfaces where a vegetative layer is required.